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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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## ATTORNEY'S DOCKET NUMBER TRANSMITTAL LETTER TO THE UNITED STATES 80170-1010 DESIGNATED/ELECTED OFFICE (DO/EO/US) U.S. APPLICATION NO. (If known, see 37 CFR 1.5) **CONCERNING A SUBMISSION UNDER 35 U.S.C. 371** IELERLO INTERNATIONAL FILING DATE PRIORITY DATE CLAIMED INTERNATIONAL APPLICATION NO. PCT/CN2003/001032 2 December 2003 21 July 2003 TITLE OF INVENTION A Device and Method for Realizing Dynamic Adjustment of Data Bandwidth in a Transmission Device APPLICANT(S) FOR DO/EO/US Qingliang Liu, Chang Zhou and Rong Liu Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. The US has been elected (Article 31). A copy of the International Application as filed (35 U.S.C. 371(c)(2)) is attached hereto (required only if not communicated by the International Bureau). has been communicated by the International Bureau. is not required, as the application was filed in the United States Receiving Office (RO/US). X An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). is attached hereto. has been previously submitted under 35 U.S.C. 154(d)(4). Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) are attached hereto (required only if not communicated by the International Bureau). have been communicated by the International Bureau. have not been made; however, the time limit for making such amendments has NOT expired. have not been made and will not be made. An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. X An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). 10. Items 11 to 20 below concern document(s) or information included: 11. An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. X An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. X A preliminary amendment. An Application Data Sheet under 37 CFR 1.76. 15. L A substitute specification. A power of attorney and/or change of address letter. A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Page 1 of 3 Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).

A second copy of the published International Application under 35 U.S.C. 154(d)(4).

19. L

PTO-1390 (Rev. 07-2005)
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U.S. APPLICATION NO. (ifaknown see 37 CFR.1.5)				INTERNATIONAL APPLICATION NO. PCT/CN2003/001032		ATTORNEY'S DOCKET NUMBER  801701010	
20. Other items or information:							
The following fees have been submitted					CALCULATIONS	PTO USE ONLY	
21. X Basic national fee (37 CFR 1.492(a))					\$ 300.00		
22. 📆 Exan	nination fee (37 C						
by IPEA/	nion prepared by IS 'US indicates all cl ns	\$ 200.00					
23. Search fee (37 CFR 1.492(b))  If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)					\$ 400.00		
	TOTAL OF 21, 22						
Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)).  The fee is \$250 for each additional 50 sheets of paper or fraction thereof.							
Total Sheets	al Sheets Extra Sheets		Number of each additional 50 or fraction RATE thereof (round <b>up</b> to a whole number)				
- 100 =	/50 =			x \$250	\$	1	
Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).					\$		
CLAIMS NUMB		ER FILED	NUMBER EXTRA	RATE	\$		
Total claims	9	- 20 =	0	× \$ 50	\$		
Independent claims 3		- 3 =	0	× \$200	\$		
MULTIPLE DEPENDENT CLAIM(S) (if applicable) + \$360					\$		
TOTAL OF ABOVE CALCULATIONS =					\$	-	
Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½.							
SUBTOTAL =					\$		
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).					\$		
TOTAL NATIONAL FEE =					\$		
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +					\$ 40.00		
TOTAL FEES ENCLOSED =					\$ 940.00		
					Amount to be refunded:	\$	
					Amount to be charged	\$	

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	A check in the amount of \$ to cover the above feed fendiosed.  Please charge my Deposit Account No in the amount of \$ to cover the above fees.   A duplicate copy of this sheet is enclosed.  The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 20-0778 . A duplicate copy of this sheet is enclosed.  Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.  Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed inted to restore the International Application to pending status.	16
Jan Tho 100 Sui	mes W. Kayden omas, Kayden, Horstemeyer & Risley, LLP O Galleria Parkway, NW ite 1750 lanta, GA 30339  Ann. W. Kayden Signature  James W. Kayden NAME  31,532 REGISTRATION NUMBER	

## IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) UNDER THE PATENT COOPERATION TREATY

In Re Application of:

Liu et al.

U.S. Serial No.:

TBA

(Nat. Phase of Int. Appl. No.: PCT/CN2003/001032)

U.S. Filing Date: Herewith

(Int. Filing Date: 2 December 2003)

Title: A METHOD AND DEVICE FOR REALIZING DYNAMIC ADJUSTMENT OF DATA

BANDWIDTH IN A TRANSMISSION DEVICE

Atty Docket No.: 80170-1010

## **CERTIFICATE OF MAILING UNDER 37 CFR 1.10**

Mail Stop: PCT

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Sir:

Enclosed for filing in the above-captioned International application are the following documents:

- 1. Transmittal Letter to the United States Designated/Elected Office (DO/EO/US);
- 2. Fee Calculation Sheet (in duplicate);
- 3. A Credit Card Authorization Form;
- 4. A translated International Application, including 6 pages of Description; 2 pages of Claims; a page of Abstract; and 3 sheets of Drawings (depicting Figures 1-3);
- 5. Preliminary Amendment;
- 6. Copy of PCT Publication WO 2005/008958 A1;
- 7. Executed Declaration of the Inventors;
- 8. Assignment and Assignment Cover Sheet; and
- 9. Return receipt postcard.

The Commissioner is authorized to charge the deposit account No. 20-0778 any additional fees which may be required, or credit any overpayment to Deposit Account No. 20-0778.

Respectfully submitted,

James W. Kayden; Reg. No. 31,532

Attorney for Applicant

THOMAS, KAYDEN, HORSTEMEYER & RISLEY, L.L.P.

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100 Galleria Parkway, N.W. Atlanta, GA 30339-5948 Telephone: (770) 933-9500 Facsimile: (770) 951-0933

I hereby certify that all correspondence listed above are being deposited for delivery to the above addressee, with the United States Postal Service as "Express Mail", under Express Mail Label No.

EV 749202237 US service under 37 CFR 1.10 on the date indicated below.

Date: January 19, 2006

Gina Silverio